

Claims

1. Shuttlecock, comprising
an approximately conical crown (2), wherein the crown (2) includes an integrally
formed fastening element (26) disposed in a region of the small end of the crown,
and
a striking cap (3), which is essentially dome-shaped at least in a front section (31),
when viewed in the flight direction, and which is anchored in the fastening element
(26),
characterized by
at least one ring (4) which is releasably attached to the crown (2) and surrounds the
crown (2).
2. Shuttlecock according to claim 1,
characterized in
that when the at least one ring (4) is installed, its position is fixed by an applied
pretension produced, on one hand, by the conical exterior surface (21) of the crown
(2) and, on the other hand, by a rear boundary wall (34) of the striking cap (3).
3. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) is made of an elastic material.
4. Shuttlecock according to one of the preceding claims,
characterized in
that the inside diameter of the at least one ring (4) is smaller than the outside
diameter of the striking cap (3).
5. Shuttlecock according to one of the preceding claims,
characterized in
that the outside diameter of the at least one ring (4) is greater than the outside
diameter of the striking cap (3).

6. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) is made of thermoplastic polyolefins, polyethylene,
polypropylene, EPDM, TBE-EPDM, or rubber.
7. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) has a substantially toroidal surface.
8. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) has a weight of approximately between 10 and 70
percent of the weight of the shuttlecock without the at least one ring being installed.
9. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) has a weight of approximately between 1 and 25 grams.
10. Shuttlecock according to one of the preceding claims,
characterized in
that the material of the at least one ring (4) has a Shore value in the range of
approximately 40 to 90, preferably approximately 70.
11. Shuttlecock according to one of the preceding claims,
characterized in
that the at least one ring (4) has an outside diameter of approximately 25 to 70 mm
and an inside diameter of approximately 15 to 40 mm.

12. Shuttlecock according to one of the preceding claims, characterized in
that the exterior surface of the crown (2) has a length of approximately between 33 and 43 mm and the striking cap (3) has a diameter of approximately between 20 and 30 mm, and that in addition the crown (2) has approximately the shape of a straight truncated cone and the surface of the base covered by the cone has a diameter of approximately 45 to 55 mm.
13. Shuttlecock according to one of the preceding claims, characterized in
that several rings (4a, 4b), preferably approximately two to four rings are applied, which are made of the same material and have the same dimensions.
14. Shuttlecock according to one of the claims 1 to 12, characterized in
that several rings are applied, which have different dimensions and/or are made of materials having different densities.
15. Shuttlecock according to one of the preceding claims, characterized in
that the at least one ring (4) emits light and/or is equipped with ornamental light sticks.
16. Shuttlecock according to one of the preceding claims, characterized in
that an opening (40) is provided in the striking cap (3), so that acoustic resonances can be produced by an impinging airflow.